

Converting Colors

XYZ(79.8771, 90.3136, 40.1521)

Have a look what the booklet for
XYZ(79.8771, 90.3136, 40.1521)
contains.

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Color

**XYZ(79.9182, 90.4391,
40.0324)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF891
RGB	255, 248, 145
RGB Percent	100%, 97%, 57%
CMY	0.0000, 0.0274, 0.4314
CMYK	0.00, 0.03, 0.43, 0.00
HSL	56°, 100%, 78%
HSV	56°, 43%, 100%
XYZ	79.9182, 90.4391, 40.0324
YIQ	238.3510, 37.2350, -30.5490

Conversions

Conversions Part 2

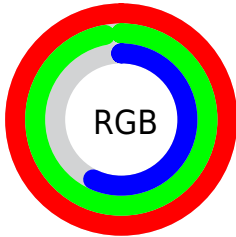
Format	Color
R_{YB}	152, 255, 145
Decimal	16775313
CIE _{Lab}	96.18, -11.60, 50.13
CIE _{LCh}	96, 51.459, 103.033
Yxy	90.4391, 0.3799, 0.4299
Android (android.graphics.Color)	4294965393 (0xFFFFF891)
YUV	238.3510, -46.0220, 14.6012
Hunter-Lab	95.0995, -16.4191, 41.6113

Details

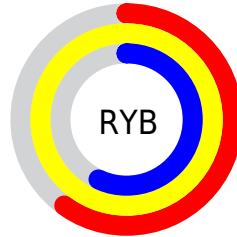
The XYZ color **79.9182, 90.4391, 40.0324** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **40.9551, 35.6952, 99.3388**, and the grayscale version is **81.8674, 86.1309, 93.7966**.

A 20% lighter version of the original color is **87.4253, 96.9501, 68.7490**, and **43.8074, 50.3423, 17.5334** is the 20% darker color. If you saturate the color by 10%, you get **77.6731, 88.7502, 30.6482**, and if you desaturate by 10%, it is **82.6133, 92.3214, 51.7457**.

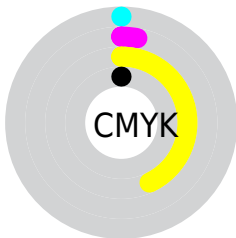
Distribution



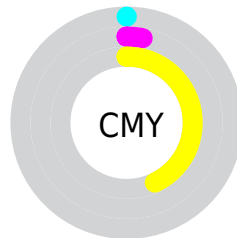
- Red (100%)
- Green (97%)
- Blue (57%)



- Red (60%)
- Yellow (100%)
- Blue (57%)



- Cyan (0%)
- Magenta (3%)
- Yellow (43%)
- Black (0%)




- Cyan (0%)
- Magenta (3%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 79.9182, 90.4391, 40.0324 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 79.9182, 90.4391, 40.0324 by changing the saturation by 10% instead.


 79.9182, 90.4391,
40.0324


 79.9182, 90.4391,
40.0324


483.3979,
529.4582, 361.8163

 59.9593, 68.3449,
27.2498


 132.2018,
147.9482, 76.4505

 43.6351, 50.1784,
17.5268


 165.2573,
184.1318, 100.9231

 30.5805, 35.5551,
10.4449


203.4089,
225.7807, 130.1294

 20.4298, 24.0908,
5.5855

247.0222,
273.2793, 164.4880

 12.8180, 15.4010,
2.5300

296.4623,
327.0120, 204.4175

 7.3794, 9.1013,
0.8560

352.0947,

 3.7489, 4.8073,

387.3631, 250.3363

0.0000

414.2848,
454.7170, 302.6631

■ 1.5611, 2.1347,
0.0000

■ 0.3669, 0.6840,
0.0000

■ 79.9182, 90.4391,
40.0324

■ 79.9182, 90.4391,
40.0324

■ 77.6731, 88.7502,
30.6482

■ 82.6133, 92.3214,
51.7457

■ 75.8416, 87.2304,
23.4302

■ 85.7791, 94.3956,
65.9254

■ 74.3921, 85.8703,
18.2034

■ 89.4425, 96.6759,
82.7046

■ 73.2860, 84.6544,
14.7631

■ 93.6268, 99.1714,
102.2053

■ 72.4759, 83.5638, 95.0499, 100.0000,
12.8607 108.9000

■ 72.0444, 82.8689,
12.1981

Harmonies

Analogous

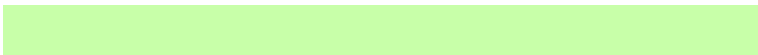
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



94.2200, 90.4391, 40.8038



79.9182, 90.4391, 40.0324



68.5585, 90.4391, 51.4691

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



79.9182, 90.4391, 40.0324



67.4189, 90.4391, 162.4370



114.9719, 90.4391, 123.2371

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



79.9182, 90.4391, 40.0324



40.9551, 35.6952, 99.3388

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



106.0810, 90.4391, 167.8232



79.9182, 90.4391, 40.0324



78.1968, 90.4391, 194.4032

Square

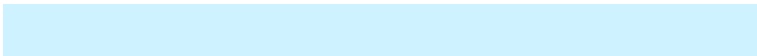
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



79.9182, 90.4391, 40.0324



61.8987, 90.4391, 117.2817



92.2981, 90.4391, 196.6097



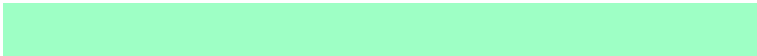
115.5650, 90.4391, 81.7907

Rectangle

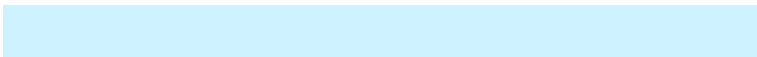
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



79.9182, 90.4391, 40.0324



63.7463, 90.4391, 66.9572



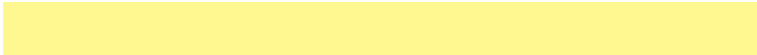
92.2981, 90.4391, 196.6097



112.8131, 90.4391, 138.5893

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



79.9204, 90.4433, 40.0343



89.4961, 96.7086, 82.9516



57.0608, 43.7897, 35.2951



18.9730, 20.5879, 16.9114



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

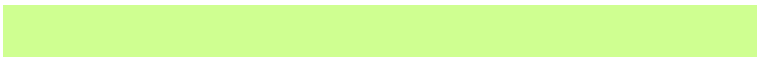
The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.9204, 90.4433, 40.0343



77.9071, 88.9338, 31.6024



66.6967, 86.8779, 40.0431



19.4565, 20.8812, 19.1493



37.6872, 43.3856, 6.3879



3.6982, 4.2817, 0.6315

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



40.9551, 35.6952, 99.3388



34.2263, 27.5738, 98.1261



50.0836, 38.7656, 99.4503



17.0957, 17.5630, 22.7389



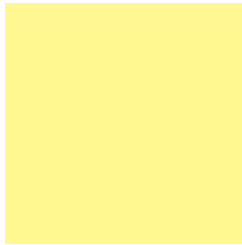
9.5649, 4.0394, 49.7101



0.9623, 0.4553, 4.8504

Previews

White Background



This preview shows how the XYZ color 79.9182, 90.4391, 40.0324 looks on a white background.

Color Contrast Check

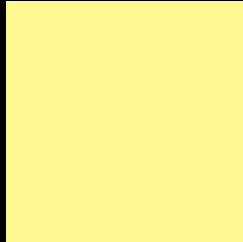
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 79.9182, 90.4391, 40.0324 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 79.9182, 90.4391, 40.0324

Background



This preview shows how black text looks on a background with the XYZ color 79.9182, 90.4391, 40.0324.

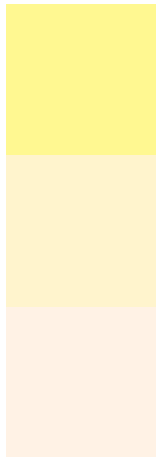


This preview shows how white text looks on a background with the XYZ color 79.9182, 90.4391,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

79.9182, 90.4391, 40.0324

Protanopia

84.6101, 90.3691, 70.7412

Deuteranopia

87.1350, 90.4214, 86.9893



Tritanopia

89.4990, 90.4197, 102.3582

Trichromacy



Original Color

79.9182, 90.4391, 40.0324



Protanomaly

82.4397, 89.9837, 57.8233



Deuteranomaly

83.7837, 90.0386, 66.3894



Tritanomaly

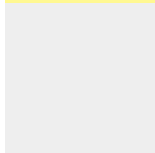
85.0485, 90.0643, 74.5296

Monochromacy



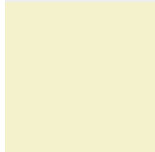
Original Color

79.9182, 90.4391, 40.0324



Achromatopsia

81.2670, 85.4993, 93.1087



Achromatomaly

79.9594, 87.0970, 69.7238

CSS Examples

Text

The CSS property to change the color of the text to XYZ 79.9182, 90.4391, 40.0324 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(255, 248, 145)` looks like.

```
.text, #text, p{  
    color:rgb(255, 248, 145)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(255, 248, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 248, 145) }
```

Border

The CSS property to change the border of an element to XYZ 79.9182, 90.4391, 40.0324 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 248, 145) }
```


If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(255, 248, 145) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(255, 248, 145) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 248, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 248, 145);  
box-shadow:4px 4px 4px 4px rgb(255, 248,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 79.9182, 90.4391, 40.0324 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 248, 145) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(255,  
248, 145) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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